Amendments to the Claims

1. (Currently Amended): A mobile station for communicating with a radio telecommunications system, the mobile station comprising:

means for communicating with the radio telecommunications system;

means for ~~storing~~ receiving rule information relating to predetermined coding rules from the radio telecommunication system over an air interface;

means for storing said rule information;

means for retrieving said rule information;

means for decoding, using the retrieved rule information, signals received from the radio telecommunications system.

2. (Currently Amended) A mobile station for communication over a telecommunications system, the mobile station comprising:

means for communicating with the radio telecommunications system;

means for receiving rule information relating to predetermined coding rules from the telecommunication system over an air interface;

means for storing and retrieving said rule information ~~relating to predetermined coding rules~~;

means for encoding, using the retrieved rule information, signals to be transmitted to the radio telecommunications system.

3. (Currently Amended): A first mobile station for communicating with second mobile station in a telecommunications system, the first mobile station comprising:

means for receiving rule information relating to predetermined coding rules from the telecommunication system over an air interface;

means for storing said rule information ~~relating to predetermined coding rules~~;

means for communicating with the second mobile station;

means for retrieving said rule information;

means for encoding or decoding, using the retrieved rule information, signals to be transmitted to or signals received from the second mobile station, which signals use the predetermined coding rules.



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4. (Original): A mobile station in accordance with claim 1, 2 or 3, wherein the rule information is down-loaded to the storing means during registration of the mobile station with the telecommunications system.

5. (Original): A mobile station in accordance with claim 1, 2 or 3, wherein the rule information is down-loaded to the storing means over a dedicated communications channel.

6. (Original): A mobile station in accordance with claim 1, 2 or 3, wherein the rule information is down-loaded to the storing means during a dedicated communication period separate from the communication required to register the mobile station with the telecommunications system.

7. (Original): A mobile station in accordance with claim 1, 2 or 3, wherein the rule information is down-loaded to the storing means as pre-loaded information, prior to registration of the mobile station with the telecommunications system.

8. (Currently Amended): A mobile station in accordance with ~~any previous~~ claim 1, wherein the rule information is up-dated each time that the mobile station enters a new area of the radio telecommunications system.

9. (Currently Amended): A mobile station in accordance with ~~any previous~~ claim 1, wherein the rule information is up-dated each time that the mobile station enters a new registration area of the radio telecommunications system.

10. (Currently Amended): A mobile station in accordance with ~~any previous~~ claim 1, wherein the rule information is up-dated each time that the mobile station enters a new cell of the radio telecommunications system

11. (Currently Amended): A mobile station in accordance with ~~any previous~~ claim 1 in so far as dependent upon claim 1, wherein the rule information enables the



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mobile station to decode broadcast information from the telecommunications system.

12. (Currently Amended): A mobile station in accordance with ~~any previous claim in so far as dependent upon~~ claim 1 wherein the rule information enables mobile station to decode broadcast information from the telecommunications system, the broadcast information being partly encoded in accordance with the predetermined decoding rules, and partly in unencoded format.

13. (Currently Amended): A mobile station in accordance with ~~any previous~~ claim 1, where the radio telecommunications system is a digital radio telecommunications system.

14. (Currently Amended): A radio telecommunications system comprising:

at least one base station;

at least one mobile station;

the at least one base station including means for transmitting signals to and means for receiving signals from the at least one mobile station;

the at least one mobile station including means for receiving signals from and means for transmitting signals to the at least one base station;

the mobile station comprising means for receiving rule information relating to predetermined coding rules from the radio telecommunication system over an air interface;

the mobile station also including means for storing said rule information ~~relating to predetermined coding rules~~;

the mobile station also including means for retrieving said rule information; and

the mobile station further including means for decoding, using the retrieved rule information, signals transmitted by the base station using the predetermined coding rules.

15. (Currently Amended): A radio telecommunications system comprising:

at least one base station;

t least one mobile station;



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the at least one base station including means for transmitting signals to and means for receiving signals from the at least one mobile station;

the at least one mobile station including means for receiving signals from and means for transmitting signals to the at least one base station;

the mobile station comprising means for receiving rule information relating to predetermined coding rules from the radio telecommunication system over an air interface;

the mobile station also including means for storing said rule information ~~relating to predetermined coding rules~~;

the mobile station also including means for retrieving said rule information; and

the mobile station further including means for encoding, using the retrieved rule information, signals to be transmitted to the base station using the predetermined coding rules.

16. (Currently Amended): A radio telecommunications system comprising:

at least one base station;

a plurality of mobile stations;

the at least one base station including means for transmitting signals to and means for receiving signals from each mobile station;

each mobile station including means for receiving signals from and means for transmitting signals to the at least one base station;

each mobile station comprising means for receiving rule information relating to predetermined coding rules from the radio telecommunication system over an air interface;

each mobile station also including means for storing said rule information ~~relating to predetermined coding rules~~;

each mobile station also including means for retrieving said rule information; and

each mobile station further including means for encoding or decoding, using the retrieved rule information, signals to be transmitted to or signals received from a second mobile station within the radio telecommunications system which signals use the predetermined coding rules.



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17. (Original): A radio telecommunications system in accordance with claim 14, 15 or 16, wherein the rule information is down-loaded to the storing means of the mobile station during registration of the mobile station with the telecommunications system.

18. (Original): A radio telecommunications system in accordance with claim 14, 15 or 16, wherein the rule information is down-loaded to the storing of the mobile station means over a dedicated communications channel.

19. (Original): A radio telecommunications system in accordance with claim 14, 15 or 16, wherein the rule information is down-loaded to the storing of the mobile station means during a dedicated communication period separate from the communication required to register the mobile station with the telecommunications system.

20. (Original): A radio telecommunications system in accordance with claim 14, 15 or 16, wherein the rule information is down-loaded to the storing of the mobile station means as pre-loaded information, prior to registration of the mobile station with the telecommunications system.

21. (Currently Amended): A radio telecommunications system in accordance with ~~any of~~ claims 14 ~~to 20~~, wherein the rule information is up-dated each time that the mobile station enters a new area of the radio telecommunications system.

22. (Currently Amended): A radio telecommunications system in accordance with ~~any of~~ claims 14 ~~to 21~~, wherein the rule information is up-dated each time that the mobile station enters a new registration area of the radio telecommunications system.

23. (Currently Amended): A radio telecommunications system in accordance with ~~any of~~ claims 14 ~~to 22~~, wherein the rule information is up-dated each time that the mobile station enters a new cell of the radio telecommunications system.



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24. (Currently Amended): A radio telecommunications system in accordance with ~~any of~~ claims 14 ~~to 23 in so far as dependent upon claim 14~~, wherein the rule information enables the mobile station to decode broadcast information from the telecommunications system.

25. (Currently Amended): A radio telecommunications system in accordance with ~~any of claims 14 to 23 in so far as dependent upon~~ claim 14, wherein the rule information enables mobile station to decode broadcast information from the telecommunications system, the broadcast information being partly encoded in accordance with the predetermined decoding rules, and partly in unencoded format.

26. (Currently Amended): A radio telecommunications system in accordance with ~~any of~~ claims 14 ~~to 25~~ , where the radio telecommunications system is a digital radio telecommunications system.

27. (Currently Amended): A method of decoding signals sent by a radio telecommunications system said system comprising at least one base station and at least one mobile station, comprising:

receiving, by the mobile station, rule information relating to predetermined coding rules from the radio telecommunication system over an air interface;

storing, in the mobile station, said rule information ~~relating to predetermined coding rules~~;

retrieving said rule information;

decoding, using the retrieved rule information, signals received from the radio telecommunications system.

28. (Currently Amended): A method of encoding signals sent to a radio telecommunications system, said system comprising at least one base station and at least one mobile station, comprising:

receiving, by the mobile station, rule information relating to predetermined coding rules from the radio telecommunication system over an air interface;

storing, in the mobile station, said rule information ~~relating to predetermined~~



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~~coding rules~~;

retrieving said rule information;

encoding, using the retrieved rule information, signals to be transmitted to the radio telecommunications system.

29. (Currently Amended): A method of encoding or decoding signals sent from a first mobile station to a second mobile station within a radio telecommunications system , comprising:

receiving, by each mobile station, rule information relating to predetermined coding rules from the radio telecommunication system over an air interface;

storing, in each mobile station, said rule information ~~relating to predetermined coding rules~~;

retrieving said rule information;

encoding or decoding, using the retrieved rule information, signals to be transmitted to or signals received from the second mobile station, which signals use the predetermined coding rules.

30. (Original): A method in accordance with claim 27, 28 or 29, comprising down-loading the rule information to the storing means during registration of the mobile station with the telecommunications system.

31. (Original): A method in accordance with claim 27, 28 or 29, comprising down-loading the rule information to the storing means over a dedicated communications channel.

32. (Original): A method in accordance with claim 27, 28 or 29, comprising down-loading the rule information to the storing means during a dedicated communication period separate from the communication required to register the mobile station with the telecommunications system.

33. (Original): A method in accordance with claim 27, 28 or 29, comprising



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down-loading the rule information to the storing means as pre-loaded information, prior to registration of the mobile station with the telecommunications system.

34. (Currently Amended): A method in accordance with ~~any of~~ claims 27 ~~to 33~~, comprising up-dating the rule information each time that the mobile station enters a new area of the radio telecommunications system.

35. (Currently Amended): A method in accordance with ~~any of~~ claims 27 ~~to 34~~, comprising up-dating the rule information each time that the mobile station enters a new registration area of the radio telecommunications system.

36. (Currently Amended): A method in accordance with ~~any of~~ claims 27 ~~to 35~~, comprising up-dating the rule information each time that the mobile station enters a new cell of the radio telecommunications system.

37. (Currently Amended) A method in accordance with ~~any of~~ claims 27 ~~to 36 in so far as dependent upon claim 26~~ comprising enabling the mobile station to decode, using the rule information, broadcast information from the telecommunications system.

38. (Currently Amended): A method in accordance with ~~any of~~ claims 27 ~~to 37 in so far as dependent upon claim 26,~~ comprising enabling the mobile station to decode, using the rule information, broadcast information from the telecommunications system, the broadcast information being partly encoded in accordance with the predetermined decoding rules, and partly in unencoded format.

39. (Currently Amended): A method in accordance with ~~any of~~ claims 28 ~~to 38~~, where the radio telecommunications system is a digital radio telecommunications system.

40. (Currently Amended): A radio telecommunications system for broadcasting encoded broadcast information over a coverage area, comprising:

at least one mobile station;



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the at least one base station including means for transmitting, over the coverage area, generic broadcast information in an unencoded format;

the at least one mobile station including means for receiving said generic broadcast information at the least one base station;

the mobile station including means for establishing a connection between the mobile station and the base station, using the generic broadcast information;

the base station including means for transmitting, over the connection to the mobile station, rule information relating to predetermined coding rules;

the mobile station also including means for receiving said rule information from the base station over an air interface;

the mobile station also including means for storing rule information;

the mobile station further including means for retrieving said rule information;

the base station also including means for transmitting, over the coverage area, non-generic broadcast information encoded using the predetermined coding rules; and

wherein said mobile station further includes means for decoding, using the retrieved rule information, the non-generic broadcast information transmitted by the base station.

41. (Original): A radio telecommunications system in accordance with claim 40, where, in the alternative to the base station including means for transmitting, over the connection to the mobile station, rule information relating to predetermined coding rules, the rule information is down-loaded to the storing means of the mobile station means as pre-loaded information.

42. (Original): A radio telecommunications system in accordance with claim 40, wherein the rule information is up-dated each time that the mobile station enters a new area of the radio telecommunications system.

43. (Original): A radio telecommunications system in accordance with claims 40, wherein the rule information is up-dated each time that the mobile station enters a new registration area of the radio telecommunications system.



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44. (Original): A radio telecommunications system in accordance with claims 40, wherein the rule information is up-dated each time that the mobile station enters a new cell of the radio telecommunications system.

45. (Currently Amended): A radio telecommunications system in accordance with ~~any of~~ claims 40 ~~to 44~~, the non-generic broadcast information is in partly encoded in accordance with the predetermined decoding rules, and partly in unencoded format.

46. (Currently Amended): A radio telecommunications system in accordance with ~~any of~~ claims 40 ~~to 45~~, where the radio telecommunications system is a digital radio telecommunications system.

47. (Currently Amended): A method of broadcasting encoded broadcast information over a coverage area in a radio telecommunications system, said system comprising at least one base station and at least one mobile station, comprising:

transmitting generic broadcast information in an unencoded format over the coverage area;

receiving said generic broadcast information at said mobile station;

said mobile station using the generic broadcast information to establish a connection between the mobile station and the base station;

transmitting, over the connection and from the base station to the mobile station, rule information relating to predetermined coding rules;

transmitting, from the base station, non-generic broadcast information encoded using the predetermined coding rules; and

the mobile station receiving said rule information from the base station over an air interface;

said mobile station using said rule information to decode said non-generic broadcast information.

48. (Original): A method in accordance with claim 47, comprising, in the alternative to the base station transmitting, over the connection to the mobile station, rule information relating to predetermined coding rules, the rule information is down-



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loaded to the storing means of the mobile station means as pre-loaded information.

49. (Original): A method in accordance with claim 47, comprising updating the rule information each time that the mobile station enters a new area of the radio telecommunications system

50. (Original): A method in accordance with claims 47, comprising updating the rule information each time that the mobile station enters a new registration area of the radio telecommunications system.

51. (Original): A method in accordance with claims 47, comprising updating the rule information each time that the mobile station enters a new cell of the radio telecommunications system.

52. (Original): A method in accordance with any of claims 47 to 51, comprising transmitting the non-generic broadcast information in partly encoded in accordance with the predetermined decoding rules, and partly in unencoded format.

53. (Currently Amended): A method in accordance with ~~any of~~ claims 47 ~~to 52~~, where the radio telecommunications system is a digital radio telecommunications system.

54. (Currently Amended) A method of programming, by a radio telecommunications system a mobile station over a connection, said system comprising at least one base station, comprising:

establishing a connection between the mobile station and the at least one base station;

the base station transmitting, over the connection, rule information relating to predetermined coding rules;

the mobile station receiving said rule information from the base station over an air interface;

programming the mobile station with said rule information; retrieving said rule



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information;

the mobile station encoding or decoding, using the retrieved rule information, signals to be transmitted to or received from the radio telecommunications system.

55. (Currently Amended): A method of programming, by a radio telecommunications system , a mobile station over a connection, said system comprising at least one base station and at least one other mobile station, comprising:

establishing a connection between the mobile station and the at least one base station;

the base station transmitting, over the connection, rule information relating to predetermined coding rules;

the mobile station receiving said rule information from the base station over an air interface;

programming the mobile station with said rule information; retrieving said rule information;

the mobile station encoding or decoding, using the retrieved rule information, signals to be transmitted to or received from the at least one other mobile station.

56. (Original): A method in accordance with claims 54 or 55, comprising updating the rule information each time that the mobile station enters a new area of the radio telecommunications system.

57. (Original): A method in accordance with claims 54 or 55, comprising updating the rule information each time that the mobile station enters a new registration area of the radio telecommunications system

58. (Original): A method in accordance with claims 54 or 55, comprising updating the rule information each time that the mobile station enters a new cell of the radio telecommunications system.

59. (Currently Amended): A method in accordance with ~~any of~~ claims 54[[,]] or 55 ~~56 to 58 in so far as dependent upon claim 55,~~ comprising enabling the mobile



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station to decode, using the rule information, broadcast information from the telecommunications system.

60. (Currently Amended): A method in accordance with ~~any of~~ claims 54 or 55 ~~54, or 56 to 59 in so far as dependent upon claim 54,~~ comprising enabling the mobile station to decode, using the rule information, broadcast information from the telecommunications system, the broadcast information being partly encoded in accordance with the predetermined decoding rules, and partly in unencoded format.

61. (Currently Amended) A method in accordance with ~~any of~~ claims 54 or 55 ~~54 to 60,~~ where the radio telecommunications system is a digital radio telecommunications system.

62. – 65 (cancelled)



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